

**Table D-F-1  
Greenhouse Gases (GHG) RBLC Search - Natural Gas Piping Components  
Invenergy, LLC - Allegheny County Energy Center Project**

RBLCD	FACILITY NAME	PERMIT ISSUANCE DATE	PROCESS NAME	PRIMARY FUEL	THROUGHPUT	THROUGHPUT UNIT	PROCESS NOTES	CONTROL METHOD DESCRIPTION	EMISSION LIMIT 1	UNIT	AVG TIME CONDITION	EMISSION LIMIT 2	UNIT	AVG TIME CONDITION	STANDARD EMISSION LIMIT	UNIT	AVG TIME CONDITION
LA-0316	CAMERON LNG FACILITY	02/17/2017 &nbsp;ACT	fugitive emissions		0			Implement a leak detection and repair (LDAR) program to minimize the leak.	0								
TX-0824	JACKSON COUNTY GENERATING FACILITY	06/30/2017 &nbsp;ACT	Natural Gas Fugitives		0			weekly checks for leaks using audio, visual, and olfactory (AVO) sensing for natural gas leaks	693.3	T/YR							
TX-0827	PRAXAIR CLEAR LAKE PLANT	10/19/2017 &nbsp;ACT	H <sub>2</sub> CO FUGITIVES		0				0								
*TX-0830	PRAXAIR CLEAR LAKE	10/20/2017 &nbsp;ACT	HYCO FUGITIVES		0				0								
*TX-0832	EXXONMOBIL BEAUMONT REFINERY	01/09/2018 &nbsp;ACT	FUGITIVES		0			AVO	758	TON/YR							
*VA-0328	C4GT, LLC	04/26/2018 &nbsp;ACT	Equipment Leaks from Natural Gas Components		0		Work practice requirements	Best management practices to prevent, detect and repair leaks of natural gas from the piping components.	0								
*CO-0067	LANCASTER PLANT	6/4/2013	Fugitive emissions from leaking components		0			LDAR	0			0			0		
*CO-0068	LUCERNE GAS PROCESSING PLANT	1/13/2014	Fugitive emissions from leaking components		0		Fugitive emission component leaks from a natural gas processing plant associated with the expansion project.	LDAR	200	TON CO <sub>2</sub> E	PER YEAR	0			0		
*FL-0330	PORT DOLPHIN ENERGY LLC	12/1/2011	Fugitive GHG emissions		0		Process Piping fugitives	a gas and leak detection system will be used.	0			0			0		
*IN-0166	INDIANA GASIFICATION, LLC	6/27/2012	FUGITIVE LEAKS FROM PIPING		0		WILL BE CONTROLLED BY A LEAK DETECTION AND REPAIR (LDAR) PROGRAM.	USE OF A LEAK DETECTION AND REPAIR (LDAR) PROGRAM FOR THE NATURAL GAS AND SNG PIPING	0			0			0		
*LA-0266	EUNICE GAS EXTRACTION PLANT	5/1/2013	Process Fugitives (16) (FUG 0001)		0			LDAR programs: NSPS KKK and LAC 33:III.2121	0			0			0		
*LA-0271	PLAQUEMINE NGL FRACTIONATION PLANT	5/24/2013	Fugitive Emissions (FUG-01)		0			Compliance with LDAR programs under 40 CFR 60 Subpart OOOO, LAC 33:III.2111, and LAC 33:III.2122.	0			0			0		
*MD-0041	CPV ST. CHARLES	4/23/2014	FUGITIVE GHG EMISSIONS		0			IMPLEMENTATION OF AN AUDIO, VISUAL AND OLFACTORY (AVO) PROGRAM ON A WEEKLY BASIS	0			0			0		
*MD-0042	WILDCAT POINT GENERATION FACILITY	4/8/2014	EQUIPMENT LEAKS		0		NATURAL GAS PIPELINE COMPONENTS, INCLUDING VALVES, CONNECTORS, FLANGES, PUMP SEALS AND PRESSURE RELIEF VALVES WITHIN THE FACILITY BOUNDARY		0			0			0		
*PA-0301	CARPENTER COMPRESSOR STATION	3/31/2014	Equipment Leaks	Natural Gas	0				0			0			0		
*TX-0744	C3 PETROCHEMICALS, PDH CHOCOLATE BAYOU PLANT	6/12/2014	Process Fugitives		0		The Permittee shall implement the TCEQ 28VHP and 28 CNTQ leak detection and repair (LDAR) programs for fugitive emissions of methane. The Permittee shall implement an as-observed AVO program to monitor for fugitive emissions between instrumented monitoring. Permittee will install leakless pumps and compressors equipped with a shaft sealing system that prevents or detects emissions of VOC from the seal. Permittee will amend the permit if the fugitive equipment count and emission estimates of the count/emission estimate exceeds the representations in the application.		4	TPY OF CO <sub>2</sub> E	12-MONTH ROLLING TOTAL	0			0		
*TX-0744	C3 PETROCHEMICALS, PDH CHOCOLATE BAYOU PLANT	6/12/2014	Process Heaters		0				87	% THERM EFF	12-MONTH ROLLING TOTAL /TRAIN WITH MSS	230308	TPY CO <sub>2</sub> E		0		
*TX-0746	NUEVO MIDSTREAM, RAMSEY GAS PLANT	11/18/2014	Process Fugitives		0				185	TPY CO <sub>2</sub> E/PLAN T	12-MONTH ROLLING	0			0		
*TX-0747	LONE STAR NGL FRACTIONATORS, MONT BELVIEU GAS PLANT	4/16/2014	Fugitive Process Emission		0				0			0			0		
*TX-0748	FGE POWER, FGE TEXAS PROJECT	4/28/2014	Sf6 Fugitive Emission Sources		0				0			0			0		
*TX-0748	FGE POWER, FGE TEXAS PROJECT	4/28/2014	Natural Gas Fugitive Emission Sources		0				0			0			0		
*TX-0753	GUADALUPE GENERATING STATION	12/2/2014	Components Fugitive Leak Emissions		0		Emissions from piping components (valves and flanges) associated with this project consist of methane (CH <sub>4</sub> ) and carbon dioxide (CO <sub>2</sub> ). Because a majority of the GHG fugitives comes from methane and the GWP is higher for methane, a conservative estimate was done to assume that all piping components are in a rich methane stream.		0			0			0		
*TX-0757	INDECK WHARTON ENERGY CENTER	5/12/2014	Components Fugitive Leak Emissions		0		Fugitive emissions from piping components (valves and flanges) associated with this project consist of methane (CH <sub>4</sub> ) and CO <sub>2</sub> . Because a majority of the GHG fugitive emissions come from methane and the GWP is higher for methane than CO <sub>2</sub> , a conservative estimate was done to assume that all piping components are in a rich methane stream.		0			0			0		
*TX-0758	ECTOR COUNTY ENERGY CENTER	8/1/2014	Components Fugitive Leaks		0				0			0			0		
*TX-0766	GOLDEN PASS LNG EXPORT TERMINAL	9/11/2015	Fugitive Emissions		0			Work practice #6" leak detection and repair program	2569	TPY		0			0		

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LA-0257	SABINE PASS LNG TERMINAL	12/6/2011	Fugitive Emissions		0			conduct a leak detection and repair (LDAR) program	89629	TONS/YR	ANNUAL MAXIMUM	0			0		
TX-0612	THOMAS C. FERGUSON POWER PLANT	11/10/2011	Fugitive Natural Gas emissions NG-FUG	Natural Gas	0		Fugitive NG emissions from piping components		327.2	T/YR	365-DAY ROLLING AVERAGE	0			0		
TX-0612	THOMAS C. FERGUSON POWER PLANT	11/10/2011	Fugitive Natural Gas emissions NG-FUG	Natural Gas	0		Fugitive NG emissions from piping components		16.2	T/YR		0			0		
TX-0632	DEER PARK ENERGY CENTER LLC	11/29/2012	NG-FUG	Natural Gas	0		Fugitive Natural Gas emissions from piping components (including valves and flanges)		0.11	T/YR	365-DAY ROLLING AVERAGE	0			0		
TX-0632	DEER PARK ENERGY CENTER LLC	11/29/2012	NG-FUG	Natural Gas	0		Fugitive Natural Gas emissions from piping components (including valves and flanges)		2.84	T/YR	365-DAY ROLLING AVERAGE	0			0		
TX-0633	CHANNEL ENERGY ENERGY CENTER, LLC	11/29/2012	NG-FUG	Natural Gas	0		Fugitive Natural Gas emissions from piping components (including valves and flanges)		0.29	T/YR	365-DAY ROLLING AVERAGE	0			0		
TX-0633	CHANNEL ENERGY ENERGY CENTER, LLC	11/29/2012	NG-FUG	Natural Gas	0		Fugitive Natural Gas emissions from piping components (including valves and flanges)		7.44	T/YR	365-DAY ROLLING AVERAGE	0			0		